では、10mmは大きないのでは、10mmに対しては、10mmに対しに (Moskva) ROKHLIN, L.L. Differentiation of the states of hypochondria. Trudy Gos. nanch.-issl. inst. psikh. 40:65-79 *63 (MIRA 17:7)

ALEKSANDROVSKIY, Anatoliy Borisovich [decensed]; RCKHLIN, L.L., prof., red.; ALEKSANDROVSKIY, Yu.A., red.

THE REPORT OF THE PROPERTY OF

[Relapses of schizophreniia and ways of their prevention; clinical and physiological study] Retsidivy shizofrenii i puti ikh profilaktiki; kliniko-fiziologicheskoe issledovanie. Moskva, Izd-vo "Meditsina," 1964. 209 p.

(MIRA 17:7)

red.; LAFIDES, M.I., red.; VRONO, M.S., red., DEYANOV, V.Ya., red.; LAFIDES, M.I., red.; MAMTSEVA, V.N., red.; YURKOVA, I.A., red.; NOVIYANSKAYA, K.A., red.; RCKHLIN, L.L., red.; SKANAVI, Ye.Ye., red.

[Problems of pediatric psychoneurology] Problemy psikhomevrologii detskogo vozrasta. Moskva, 1964. 530 p. (MIRA 18:5)

i. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut psikhiatrii. 2. Klinika psikhozov detskogo vozrasta Gosudarstvennogo nauchno-issledovatel'skogo instituta psikhiatrii Ministerstva zdravookhraneniya RSFSR (for Skanavi, Lapides). 3. Kafedra detskoy psikhiatrii TSontral'nogo instituta usovershenstvovaniya vrachey (for Novlyanskaya, Mamtseya, Vrono).

ROKHLIN, L.L. (Moskva)

S.S.Korsakov and the problem of consciousness. Zhur. nevr. i psikh. vol. 64 no.5:778-782 '64. (MIRA 17:7)

SOURCE CODE: UR/0370/66/000/006/0114/0120

AUTHORS: Drits, M. Ye. (Moscow); Swiderskaya, Z. A. (Moscow); Rokhlin, L. L. (Moscow)

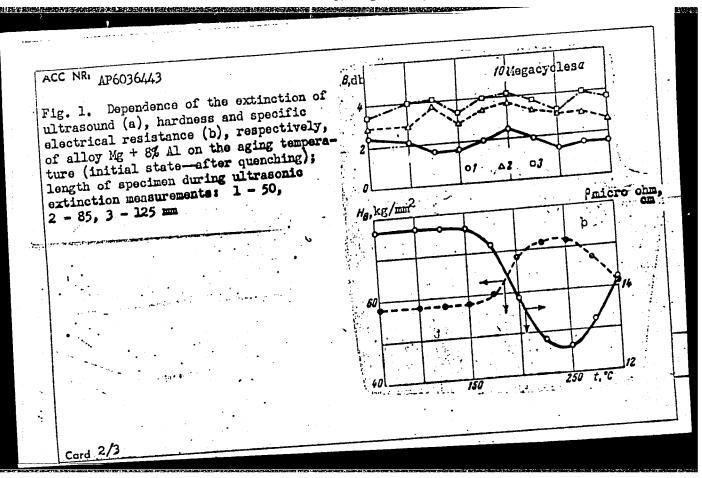
TITLE: Effect of alloying and of thermal treatment on the extinction of ultrasonic vibrations in magnosium alloys

SOURCE: AN SSSR. Izvestiya. Metally, no. 6, 1966, 114-120

TOPIC TAGS: magnesium alloy, calcium containing alloy, rare earth, containing alloy, ultrasonic vibration, ultrasound absorption

ARCTRACT: The offect of adding calcium and mischmetal (98% rare earth metala containing 46% Ce), respectively, to magnesium on the scattering and extinction of supersonic waves in the alloy was determined. In addition, the effect of different thermal treatments of the alloy on the extinction of supersonic vibrations was investigated. The study supplements the results of D. P. Lovtsov, V. P. Sizov, and A. G. Spasskiy (Vliyaniye usloviy lit'ya na zatukhaniye ul'trazvuka v metallakh. Izv. VUZov, Tsvetnaya metallurgiya, 1958, No. 3, 127). The alloy specimens were prepared after the method of Lavrov. A schematic of the experimental installation for the determination of ultrasonic absorption is presented. The microstructure, hardness, and electrical resistance of the specimens were correlated with the ultrasonic absorption of the latter, and the experimental results are presented graphically (see Fig. 1).

Card 1/3

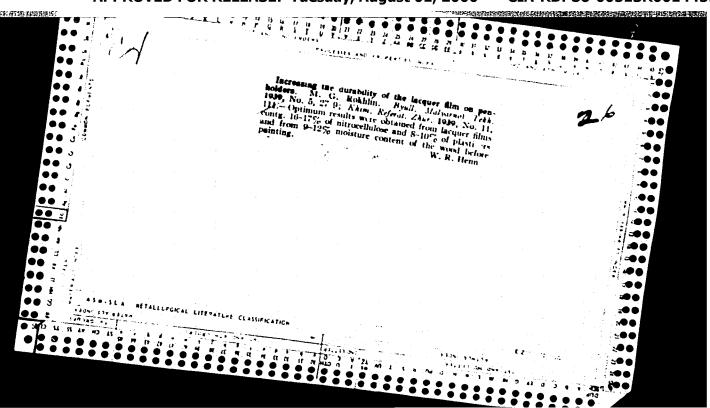


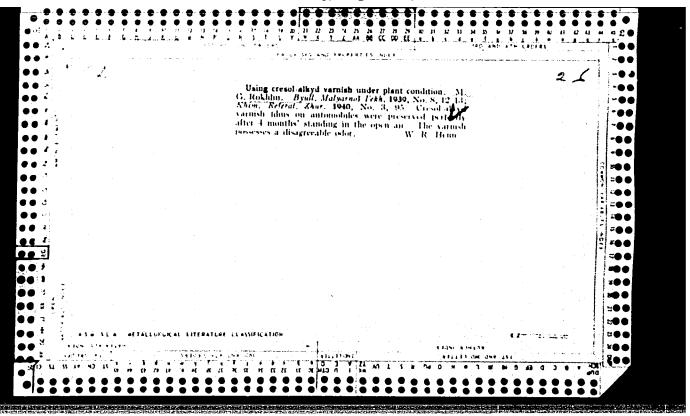
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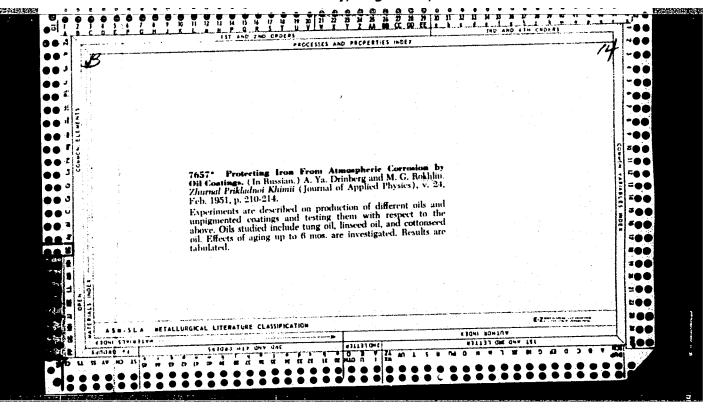
It is concluded that the extinction of ultrasonic vibration in these alloys is a function of the grain size of the latter (the extinction is smaller—the smaller the grain size). The formation of small amounts of fine-grained intermetallic compounds has no noticeable effect on the extinction of ultrasonic vibrations. Orig: art. has: 6 tables and 2 equations.

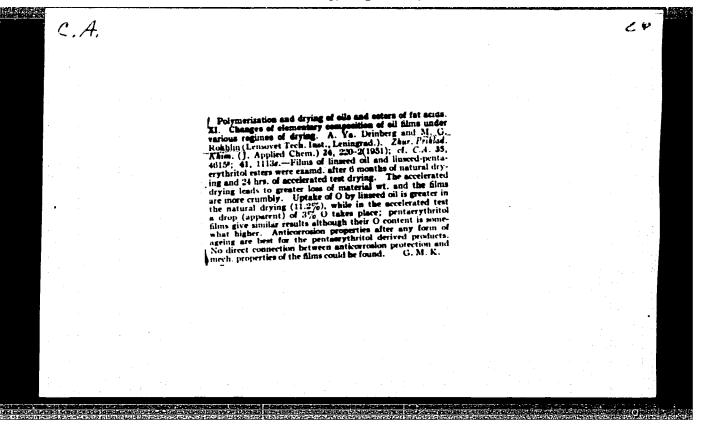
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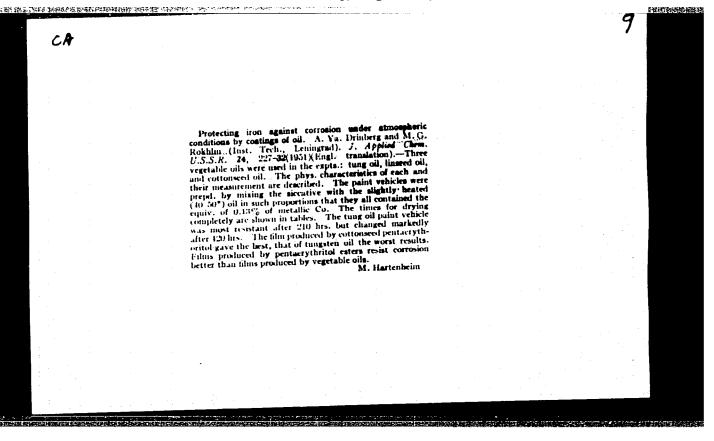


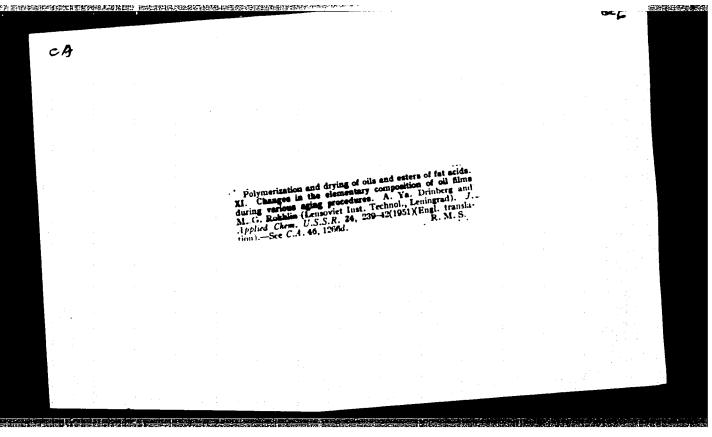




"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001445





KRENTSEL', Boris Abramovich; ROKHLIN, Maks Isaakovich; TARASENKO,
V.M., red. izd-va; FOIYAKOVA, T.V., tekhn. red.

[New chemistry and its raw material resources] Novaia khimia i ce syr'evaia baza. Noskva, Izd-vo Akad. nauk SSSR,
1962. 103 p. (MIRA 15:7)

(Chemistry, Technical)

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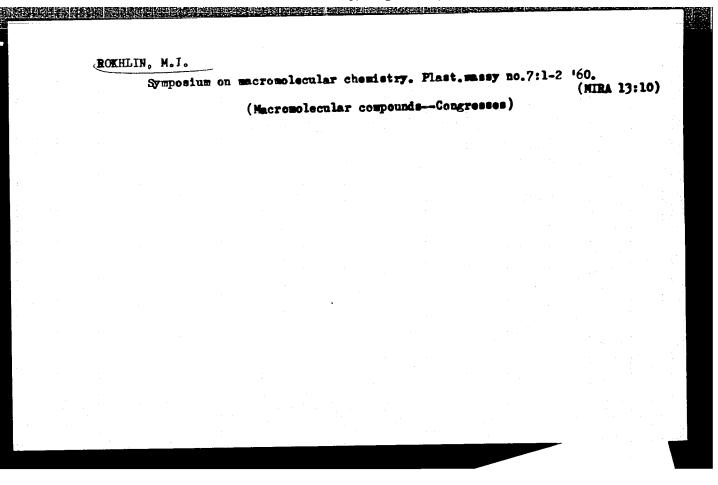
ROKHLIN, M.I.

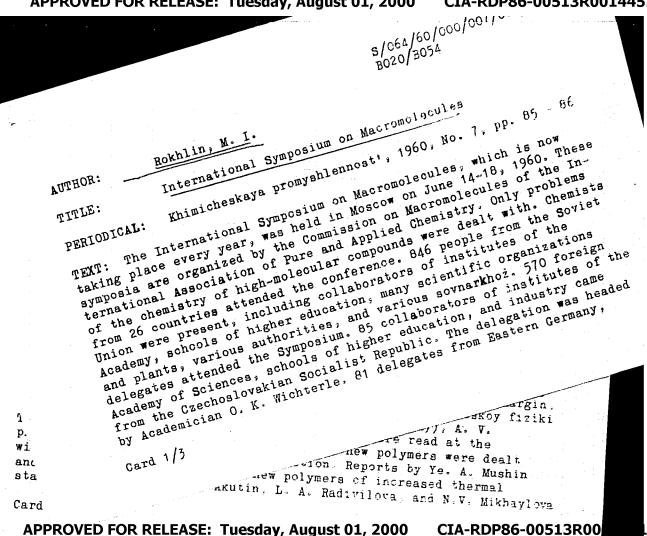
Urgent tasks in the production of chemicals for plant protection.

(MLRA 9:5)

Khim.prom. no.8: 1449-453 D '55.

(Agricultural chemicals)





KRENTSEL', B.A.: ROKHLIN, M.I.; SMIRNOV, V.S.

International symposium on macromolecular chemistry. (Wiesbaden West Germany). Vysokom. soed. 2 no. 3:473-478 Mr '60.

(MIRA 13:11)

(Macromolecular compounds -- Congresses)

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ROKHLIN, M.I.

International Symposium on Macromolecular Chemistry. Zhur. VKHD 5
(MIRA 13:12)
no.6:684-686 '60.
(Macromolecular compounds-Congresses)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA

CIA-RDP86-00513R001445

ROKHLIN, M.M.

International Symposium on the Problems of the Chemistry and Physics of High Molecular Weight Compounds. Kauch.i rez. 19 no.5:56-57 My '60. (MIRA 13:7) no.5:56-57 My compounds—Congresses)

s/025/60/000/009/003/009 A/166/A029

AUTHOR:

Rokhlin, M.I., Scientific Secretary on Polymers in the

Chemical Department of AS USSR

TITLE:

International Symposium

PERIODICAL:

Nauka i zhizn', 1960, 100. 9, pp. 28 - 30

The International Union of Pure and Applied Chemistry's 1960 International'nyy simpozium po makromolekulyarnoy khimii (International Symposium on Macromolecular Chemistry) was held in Moscow from 14 - 18 June 1960 and was attended by 570 foreign delegates, including 85 from Czechoslovakia and 85 from Hungary. Soviet participation numbered 567 (with guests almost 850). Three papers were presented at the plenary sessions, including one by Academician N.N. Semenov (USSR) on "Collective Interactions in the Processes of Polymerization at low Temperatures and in Polymers with Conjugate Bonds." The symposium was divided into 3 sections: 1) synthesis of polymers; 2) polymerization and polycondensation processes; and 3) chemical conversions in polymer chains. The sections heard 13 introductory papers summarizing the general state of knowledge and research in the particular

Card 1/2

s/025/60/000/009/003/009 A/166/A029

International Symposium

field and 159 reports on the results of experimental work. The Soviet papers presented were: K.A. Andrianov on "Polymers with Inorganic Chains in the Molecules"; M.M. Koton on "Ways of Synthesizing New Polymers with Chain Cycles"; A.V. Topchiyev on "Catalytical Polymerization with Oxide Catalysts"; A.A. Berlin on "Polymers with Systems of Conjugate Bonds and Heteroatoms in the Conjugate Chain"; Z.A. Rogovin on "New Methods of Modifying the Properties of Cellulose and other Polysaccharides." The symposium also included a special day devoted to discussion of the basic trends of polymer chemistry.

Card 2/2

s/030/60/000/05/15/056 B0:5/B008

AUTHORS: Kargin, V. A., Krentsel', B. A., Rokhlin, M. I., Smirnov.

V. S.

TITLE: International Symposium on Macromolecular Chemistry and the Exposition of Synthetic Materials in the German Federal

Republic

PERIODICAL: Vestnik Akademii nauk SSSR, 1960, No. 5, pp. 68-74

TEXT: The Symposium was convened by the Commission of High-molecular Compounds of the International Association for Pure and Applied Chemistry and was held at Wiesbaden (German Federal Republic) from October 12 to 17, 1959. It was attended by some 1200 scientists from 22 countries. The Soviet delegation consisted of 29 representatives of the main branches of the chemistry and physics of polymers of the USSR. Problems of the physics of the polymers, high-molecular compounds in Solutions, the elementary acts as well as the kinetics of polyreactions, solutions, the elementary acts as well as the kinetics of polyreactions, the chemistry of organic and inorganic high-molecular compounds, the natural high-molecular compounds and models were discussed. G. P. Mikhaylov natural high-molecular compounds and models were discussed.

Card 1/2

International Symposium on Macromolecular Chemistry and the Exposition of Synthetic Materials in the German Federal Republic

S/030/60/000/05/15/056 B015/B008

reported on the investigation results of the molecular relaxation in polymers by means of the dielectric method. V. A. Kargin stated that the globules are to be considered as primary elementary structures in the orientation and crystallization of polymers S. S. Medvedev showed that the development of cationic chains is directly linked with the formation of complexes between the catalyst and monomer. G. Mark (USA) mentioned in his report papers by Soviet scientists, especially the investigations by K. A. Andrianov in the field of the synthesis of organosilicon polymers. The authors describe next the International Exposition of Synthetic Materials which was held at Duesseldorf from October 17 to 25, 1959, and at which 21 countries (over 670 firms) were represented. The authors state that about one half of the exhibits consisted of machines and the other half of finished products. Among synthetic materials, polyvinyl chloride, polyethylene and reinforced plastics are especially mentioned, the authors referring to the papers by V. A. Kargin and N. A Plate. It is underlined finally that the work of the experts in the field of new processing methods is to be regarded as being as important as the creation of new polymers. There is 1 Soviet reference.

Card 2/2

s/030/60/000/009/002/016 BO21/BO56

AUTHORS:

Kargin, V. A., Academician, Rokhlin, M. I.

TITLE:

The Development of Science From Polymers (Results of the International Symposium on Macromolecular Chemistry in

Moscow)

VA 30

PERIODICAL: Vestnik Akademii nauk SSSR, 1960, No. 9, pp. 18 - 23

TEXT: The International Symposium on Macromolecules took place in Moscow from June 14 to June 18, 1960. It was organized and carried out by the Akademiya nauk SSSR (Academy of Sciences USSR) under participation of the Gosudarstvennyy komitet Soveta Ministrov SSSR po khimii (State Committee for Chemistry of the Council of Ministers USSR). Three reports were made in plenary sessions, and 173 lectures were delivered in three sections. The first plenary session was opened by V. A. Kargin. New data and hypotheses concerning the most important chemical processes predetermining the character of some types of polymerization were given by N. N. Semenov. M. M. Koton reported on methods of increasing the thermal resistivity of polymer products; K. A. Andrianov spoke about the stage of investigations

Card 1/2

The Development of Science From Polymers (Results of the International Symposium on Macromolecular Chemistry in Moscow)

S/030/60/000/009/002/016 B021/B056

of the synthesis of inorganic polymers; A. V. Topchiyev on new experimental data concerning the use of oxidation catalysts for the polymerization of olefines; A. A. Berlin on new ways of synthesizing polymers; Z. A. Rogovin on methods of modifying the properties of cellulose and other polysaccharides. The authors find that Soviet scientists ought to pay more attention to the working out of problems of the destruction and stabilization of polymeric substances. The production of apparatus and their improvement must be intensified. For the purpose of organizing large international conferences, premises of particularly modern equipment are necessary. The Dia-projectors of the type \$\mathcal{H}\$-75 (LETI-55) and the projector of the type NJJY (PLU) are suggested as fundamental parts of the equipment. The erection of a modernly equipped conference building in Moscow is described as important. First of all, the conference rooms of the Presidium of the Academy of Sciences USSR, of the Institut organicheskoy khimii (Institute of Organic Chemistry), the hall of the Dom uchenykh (House of Scientists), and a number of halls of other institutions of the Academy must be modernly equipped for the purpose of organizing conferences. There is: 1 Soviet reference.

Card 2/2

S/030/61/000/002/003/011 B105/B206

AUTHOR:

Rokhlin, M.I.

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TITLE:

Research of Soviet and Czechoslovakian chemists

in the field of high-molecular compounds

PERIODICAL: Vestnik Akademii nauk SSSR, no. 2, 1961, 92 - 93

TEXT: According to an arrangement between the Akademiya nauk SSSR (Academy of Sciences USSR) and the Czechoslovakian Academy of Sciences, research by Soviet and Czechoslovakian chemists in the field of high-molecular compounds is directed towards the study of a number of important problems of science and production. In accordance with a joint plan for 1960, lems of science and productions of the Otdeleniye khimicheskikh nauk Akademii nauk SSSR (Department of Chemical Sciences of the Academy of Sciences USSR) participated in the investigations: institut Vysokomolekulyar-ces USSR) participated in the investigations: institut Vysokomolekulyar-nykh sovedineniy (Institute of High-molecular Compounds), institut Khiminykh sovedineniy (Institute of Chemical Physics), institut Neftekhimicheskogo sinteza (Institute of Petrochemical Synthesis), institut Elemento-

Card 1/3

Research of Soviet and ...

S/030/61/000/002/003/011 B105/B206

the 1961 plan were outlined. Good results were achieved in the production of polyformaldehyde and polypropylene as well as the investigation of the decomposition mechanism of polymer materials and the effect of various factors on the stability of polymers. The plan for 1961 provides for studies in the field of polyolefins, in order to determine the relation between the molecular structure and the properties of the most important representatives of this class. Studies are also planned for increasing the efficiency of catalysts for polymerization processes of the $\alpha\text{-olefins},$ and the investigation of their mode of action. The problem of the polyaldehydes is investigated on the example of solid polyformaldehyde. In the field of supermolecular structure of the polymers it was decided to investigate conditions and ways of establishing various types of structure, as well as the relation between the type of structure and the properties. Investigations are to be continued in the field of glassreinforced plastics, fast polymerization of caprolactam, and production methods for initial materials of high purity as well as the control of their quality.

Card 3/3

ROKHLIN, M.I.; SHITKOV, V.K. Polymer materials in medicine. Plast.massy no.9:44-46 '61. (MIRA 15:1) (POLYMERS) (MEDICINE)

S/026/61/000/010/003/004 D035/D113

AUTHORS:

Kargin, V.A., Academician; Rokhlin, M.I.

TITLE:

Polymers in 1990

PERIODICAL: Priroda, no.10, 1961, 38-48

TEXT: The authors review the development in polymer production during the last 25-30 years, indicate new trends in the synthesis of these materials and, discussing the qualitative improvements necessary for their universal application, roughly evaluate the importance of polymers during the next The increase is due more to the development of new polymers, 20-30 years. Academician N.N. than to increased production of already known materials. Semenov remarked that due to the devalopment of polymers, man is no longer limited to the use of natural substances. Reviewing the most important polymer products, the authors underline that synthetic rubbers, particularly those with regular polyisoprene- or polybutadiene-based chains are in some respects, even superior to natural rubber. Progress in synthetic fiber production is characterized by the transition from natural high-molecular compounds as starting materials to synthetic fiber-producing polymers such Card 1/6

。 《表》,是我的思想的概念,我就是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是一个人。

S/026/61/000/010/003/004 D035/D113

Polymers in 1990

as caprone, nylon, the polymers and copolymers of acrylic acid nitrile, etc. Synthetic fibers not only qualitatively compete with natural silk and wool, but the production costs of these materials are also 2-3 times lower. production of synthetic leather and furs is also being developed. Synth=tic glues have been widely adopted for glueing plywood, in the shoe industry. They are now also being used in bridge construction. vinyl chloride, polystyrene, etc., and in recent years films of polyethylene and polypropylene have been used as electroinsulators and on a still larger Ion-exchanging resins, i.e. high-molecular scale as packing materials. compounds capable of exchanging active ions for ions of dissolved electrolytes, are widely applied for purifying substances, separating precious me-The authors review the most important types of plastic materials. Improved plastics were developed for use in construction engineering, ele:-Fluoroplastics, organosilicon resins and trical and radio engineering, etc. Reinforced plastics, particularly plastics have high thermal resistance. glass plastics i.e. a composition of synthetic binders of the unsaturated entrester resin type and glass-fiber fillers exhibit great strength. Polystyrene, polyethylene terephthalate and organo-silicon compounds show go'd electroinsulating properties. Foam and porous plastics with a volumetric Card 2/6

s/026/61/000/010/003/004 D035/D113

Polymers in 1990

Card 3/6

weight as low as 0.01 kg/m^3 meet the special needs of the aircraft, ship-Organic glass mostly building, RR car building and automobile industries. obtained from polymerization products of methyl ester of metacrylic acid is now widely used. This glass is light, strong, permeable to ultraviolet rays and has good machinability. The authors further discuss previous and more recent methods of processing ethylene and the plastics derived from it. Epoxy resins and wood plastics impregnated with synthetic resins are also very important. With respect to the behavior of plastics during shaping, the authors distinguish two classes: (1) Thermoreactive plastics which become infusible and insoluble in the mold under heat and pressure, and thus cannot be reshaped further; (2) thermoplastics, i.e. plastics which can be softened by heat and thus reshaped many times. Plastics of the first class are based, for instance, on synthetic phenol-formaldehyde and amino-formal-Thermoplastics are represented by polyvinyl chloride, polyethylene, polystyrene, etc. During the last thirty years, the proportion of thermoplastics in plastics production has steadily been increasing. authors discuss the development of copolymers, graft polymers and block-copolymers, in which individual properties of various polymers are combined in Recently, new polymerization methods made it possible to one new material.

S/026/61/000/010/003/004 D035/D113

Polymers in 1990

obtain polymers with a regular molecular structure and a definite alternation of the links. This so-called stereospecific process gave good results. Stereo-regular polypropylene, for instance, shows high thermal resistance. One of the most important future trends in the development of polymers will be to increase their strength, i.e. maximum resistance to shock, bending, friction, etc. It is probable that in the near future shock, bending, friction, etc. It is probable that of steel in weight and volume, chemical fibers whose specific strength exceeds that of steel in weight and volume, will be developed. The authors discuss two main methods by which the strength and relationship increased. The first consists in changing their

of polymers will be increased. The first consists in changing their macromolecular structure without changing their chemical composition whilst macromolecular structure without changing their chemical composition whilst the second consists in improving reinforced systems and creating variously combined construction materials. Structural synthesis, reinforcement, processing methods not affecting the strength, and new types of binders and gluing substances will all help to make new types of strong light-weight gluing substances will all help to make new types of strong light-weight ships, planes, machines, automobiles, houses, etc. The maximum thermal reships, planes, machines, automobiles, houses, etc. The maximum thermal resistance of polymers presently used (250-350°C) can be raised by introducing sistance of polymers presently used (250-350°C) can be raised by introducing links with inorganic components into the chain of the polymer molecule. However, really high thermal resistance (600-1000°C) can only be expected from polymers with an exclusively inorganic chain. However, as inorganic

Card 4/6

S/026/61/000/010/003/004 D035/D113

Polymers in 1990

polymers are brittle, their future use depends on the possibility of obtaining elastic products of the synthetic-asbestos type which may be used for the construction of rockets, space vehicles, etc. As high-molecular compounds, in particular those with conjugated bonds, have good semi-conductive properties, it may be possible in the future to obtain semiconductors in the form of fabrics, films, elastics, etc. The authors consider that formaldehyde, which can be obtained directly from natural gas, will be the most The difference between plastics and rubber will decrease, and methods will be found for producing articles from infusible and insoluble plastics which are now unworkable. The development of the production of polyisoprene, polybutadiene, elastomers based on polyolefines and polyurethanes and the synthesis of heat-proof elastomers containing boron, phosphorus, etc., will increase the variety of synthetic rubbers in the The search for elastomers in saturated compounds will make it possible to eliminate their basic shortcomings such as high oxidability and sensitivity to light. Tires will become more durable and cheaper. The present complicated mathod of producing rubber items will possibly be repa laced by methods of precision casting. The authors consider that synthetic fibers will eventually replace natural raw materials, except cotton, which, Card 5/6

s/026/61/000/010/003/014 D035/D113

Polymers in 1990

however, will only be used in a chemically improved form. Porous materials will be used for clothing. Materials for lacquer coatings top the list in polymer production. The authors assume that in the next decades coatings for metals will be based entirely on water-soluble synthetic binders and water-diluted emulsions. The authors underline the growing importance of polymers for construction engineering, machines, agriculture, transport and equipment for space ships. Household items will be largely made of polymers. Polymers will also play an important role in medicine, biology, hygiene (purification of water), and photography. There are 5 figures.

Card 6/6

KARGIN, V.A., akademik; ROKHLIN, M.I.

Problems in working plastics. Vest.AN SSSR 31 no.5;89-93 My 161.

(Plastic industry)

5/030/62/000/010/001/007 D204/D307

Topchiyev, A. V., Academician, and Rokhlin, M. I. AUTHORS:

The present state of polymer chemistry. Some results and perspectives of the work carried out in the Institutes of the Academy of Sciences in the field of

PERIODICAL: Akademiya nauk SSSR. Vestnik, no. 10, 1962, 7-17

TEXT: A summary of the work carried out by the AS USSR in the permised and the summary of the work carried out by the AS USSR in the permised as a summary of the work carried out by the AS USSR in the permised as a summary of the work carried out by the AS USSR in the permised as a summary of the work carried out by the AS USSR in the permised out by the AS USSR i TEXT: A summary of the work carried out by the AS USSK in the period 1958 - 1962, following a directive from Khruschev. The USSR riod 1958 - 1962, following a directive from the resistant eleriod leads in the fields of synthesis of temperature resistant prenow leads in the fields of synthesis on the structure and prenow leads in the fields of investigations on the structures), production mental organic compounds, investigations temperatures), production paration of polymers (particularly at low temperatures). mental organic compounds, investigations on the structure and preparation of polymers (particularly at low temperatures), production paration of polymers (particularly at and magnetic properties, students of polymers possessing new electrical and magnetic properties. paration of polymers (particularly at 10% temperatures), production of polymers possessing new electrical and magnetic properties, stuof polymers possessing new electrical and magnetic properties, stuof polymers possessing new electrical and others while theme is expanded by of telomerization reactions, and others or polymers possessing new electrical and magnetic properties, study of telomerization reactions, and others. This theme is expanded by the various institutes, with reference to the results obtained by the various made. The study of the reference to the considerable progress has been made. with reference to the results obtained by the various institutes, concluding that very considerable progress has been made. The stucture of the very considerable progress has been made. concluding that very considerable progress has been made. The standard concluding that very considerable progress has been made. The standard concluding that very considerable progress has been made. The standard concluding that very considerable progress has been made. The standard concluding that very considerable progress has been made. The standard concluding that very considerable progress has been made.

Card 1/3

5/030/62/000/010/001/007 D204/D307

The present state of ...

Card 2/3

and on the relationships, between structures and properties of polymers are considered to be particularly useful. The work on plasticizers, fillers, treatment with surface-active agents, physicochemical properties of polymers, and methods of testing and exploitation is also mentioned. tion is also mentioned. The chief organizations quoted in this connection are the Institut elementoorganicheskikh soyedineniy, Neftekhimicheskogo sinteza, Vysokomolekulyarnykh soyedineniy, and Institut khimicheskoy fiziki (Institutes of Elemental Organic Compounds, Petrochemical Synthesis, High Molecular Compounds and Chepounds, Petrochemical Synthesis, High Molecular Compounds and Chemical Physics). Some examples of the directions followed by various institutes are given in illustration including the work on the institutes are given in illustration including the work or not institutes are given in illustration including the work or not institutes are given in illustration. institutes are given in illustration, including the work on polyolefins, semiconducting polymers, insulators and natural products of high molecular weight. The necessary large increase in the number of workers devoted to this program is described; it is considered that the effort is, however, still insufficiently coordinated. The following subjects for further studies have been recommended: 1) mechanisms of the decomposition of polymers under the influence of various factors, 2) purity and large scale preparation of starting materials used in synthesis, 3) treatment and testing of

The present state of ...

S/030/62/000/010/001/007 D204/D307

polymeric products, 4) synthesis of inorganic polymers, 5) synthesis of elastomers and other products, 6) search for new fundamental starting materials for synthesis.

Card 3/3

KARGIN, V.A., akademik; ROKHLIN, M.I., kand.tekhn.nauk

Principal tasks facing the chemical sciences. Vest. AN SSSR
34 no. 1:3-9 Ja *64.

(MIRA 17:5)

PANFILOVA, Z.Yc.; ROKHLIN, M.I.; RODIONOV, I.S.; FAUSTOVA, D.G.; GOL'DSHTEYN, D.S.; GORODINSKIY, S.M., red.; TIKHOMIROV, V.B., red.; PODOSHVINA, V.A., red.; VLASOVA, N.A., tekhm. red.

[Protective coatings in atomic engineering] Zashchitnye pokrytiia v atomnoi tekhnike; sbornik statei. Moskva, Gosatomizdat, 1963. 183 p. (MIRA 16:12) (Shielding (Radiation))

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001445

RCKHLIN M. I. Rokhlin, Mark Isidorovich [There, where the tents were; a geologists notebook] Tam gde byli iarnagni; zapiski geologa. Moskva, Sovetskaia Rossiia, 1961. 108 p. (MIRA 16:3) (Chukchi National Area--Description and travel)

ROKHLIN, M. I.

Development of research on polymer mechanics; results of the 13th Conference on High-molecular Compounds. Vest. AN SSSR 33 no.1:117-119 Ja 163.

(Polymers)

TOPCHIYEV, A.V., akademik; ROKHLIN, M.I.

Present-day chemistry of polymers. Vest. AN SSSR 32 no.10:7-17 (MIRA 15:10)

(Polymers)

\$/030/63/000/001/009/013 3117/3186

AUTHOR:

TITLE

Development of investigations on polymet aschenies (Results Sugar Miller of the XIII Konferentsiya po vysokomelekulyarnya sayedinqaiyan (XIII Conference on High Moleculer-weight Compounds))

Akademiya neuk 35SE. Vestnik, no. 1, 1963, 117 - 119

TEXT: The XIII Conference on High solecular-weight Compounds held in Mossow on October 8 - 11, 1962 was organised by the following institutions: Nauchnyy sovet po vysokomolekulyarnym soyedineniyam pri Otdelemii khimishemkikh nauk Akademii mauk SSSR (Scientific Council of High molecular ceight Compounds at the Department of Chemical Sciences of the Academy of Sciences USSR); Gosuderstvennyy komitet Soveta Ministrov SSSR po khimii (State Committee on Chemistry of the Council of Ministers USSR); Mauchayy sevet po probleme "Sinteticheskiye materialy ma osnove polimerov" pri Geeuderetvennom komitete Soveta Ministrov SSSR po koordinateii meschno-ineledevatel'skikh rabot (Scientific Council for the Preblem "Synthetic enteriale based on polymers" at the State Committee on the Coordination of Seiestifie Research Work of the Council of Ministers USSR); Taccoyusnoys khinicheskoye Card 1/3

S/030/63/000/001/009/013 B117/B106

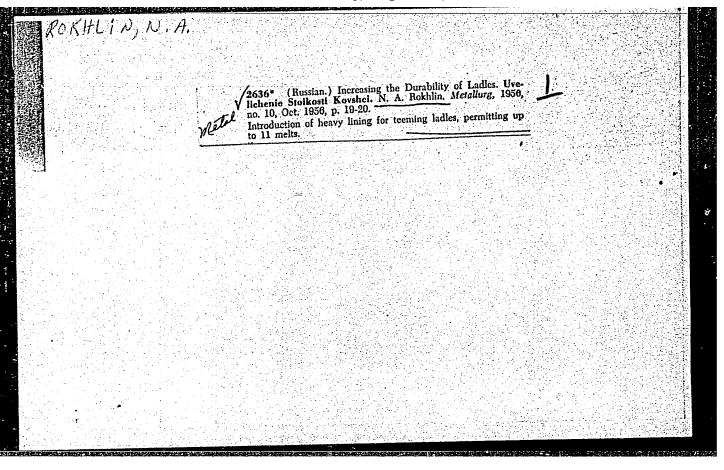
Development of investigations on ...

obshchestvo im. D. I. Mendeleyeva (All-Union Chemical Sectety iment D. I. Mendeleyer); Goouderstvennyy komitet Sovete Ministrov 318R po evtenetisatell i meshinostroyeniyu (State Committee on Automation and Machine Building of the Council of Ministers USSR); Veesoynamy povet sauchmotekhnicheskikh obshohesty (All-Union Council of Scientific and Technical Societies); Moskovskiy universitet (Moscow University). The Conference was attended by about 1600 delegates from 287 scientific research isotitutes, schools of higher education, planning and design organisations, and industrial enterprises, coming from 54 towns of the USSR. A. V. Tepchiyev opened the Conference and mentioned recent progress in the investigation of structural peculiarities of polymers, pointing to a relationship between their structure and their properties. This relationship was treated also by V. A. Kargin who complemented the theoretical deliberations with results of investigations. G. L. Slominskiy analysed the most important results of the modern statistical theory of high elasticity and of mechanical relaxation phenomena. At the first pleasery meeting, C. M. Bartener reported on the "Mature and rules of polymer flow". Further work was done in five sections. The following problems were dealt with in the section "Theoretical fundamentals of electicity, plasticity, and strength of polymers": eupermolecular structures and their effect on mechanical properties of polymers; Card 2/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014451

The state of the state of the state of the property of the state of th

ROKHLIN, M.I. Tin from the Chukchi National Area. Let. Sev. 3:58-71 '62. (MIRA 15:3) (Chukchi National Area--Tin ores)



ROKHLIN, N.A.

Spiral-type lining of 200-ton steel pouring ladles. Stal' 21 no.5:
(A12 My '61.

1. Metallurgicheskiy zavod im. Dzerzhinskogo.
(Smelting furnaces—Equipment and supplies)
(Refractory materials)

BEYGUL, Ye.I.; ROKHLIN, N.A.

Modernizing steel-pouring ladles. Stal' 23 no.10:904-905 0 '63.

(MIRA 16:11)

BOKHLIN,	Λ/A		
and district relation for land			
		" N- 10 10 1050	i i
note 1	36. Increasing the life of ladies.—N. A. Rokhun (Russian	Metallurg., No. 10, 17, 1750).	
in Allendaria	Russian	시작했다. 그 아파 얼마를 잃었다. 나는 없다.	
A Control of the Cont		를 잃었다면 얼마나 내려 하나를 하는 것이다.	
	하는 사람들은 기가 되었다면 하는 사람들이 되었다.	나타다 이 네 나가 하라고 네 바요?	
교육 회사에 가는 경기 기계를 받는다.		도 하면 하는 것 같다. 그렇게 보면 보고 있는 것 같다. 그 그 사이를 받았다. 중 한 사이 하는 것 같아 있다. 그 하는 것 같은 것 같아 보고 있다. 그 것 같아.	
	그리다 하는 아이들의 얼마를 들어나는 얼마를 받는다.	얼마면 되다듬다고 있다는 얼마를 보고 되었다.	
[경기: 10 등 10] [경기 기계 [경기 기계 [경기 기계	그리 하시 이 사람들은 경우를 모모했다.		
[[일다] [[[[[[[[[[[[[[[[[[[
		하는 아무리 속 생활을 보면 하는 것이 되었다.	
	소리 등 경기 교통에는 하고 보고 있는 것을 통해 되었다. 그런 경기를 통해 생각이 되었다. 음자 사람들은 경기를 보고 있는 것이 되었다. 중에 대한 경기를 받는 것을 통해 되었다. 그 것이		
			2. 化自己的基础
[일짜] 문문장의 본 회사는 보기 일까요?			
		보통 및 기존 문제를 보고 있다면요. 그는 네 없다	
교육하다 그 사람이 하는 하시다			
	그는 얼마 맛을 보고 말을 하고 말이었다. 날린 나쁜		
		하게 하는 이 중에는 이 등에 가장 하게 된다면 되었다. 그 사이다. 사람들에 되었다면 하게 하는 것이 되었다. 그 사람들이 되었다.	
	된 경기를 하고 있는 것이라는 것 같아요. 그렇다고 있다.		
			DI 178 T 18 AA WATAWAYNT

ROKHLIN, N.A.

Increasing ladle durability. Metallurg no.10:19-20 0 '56.
(MLRA 9:11)
1. Pomoshchnik machal'nika martenovskogo tsekha no. 3 metallurgi-

cheskogo zavoda imeni Dzerzhinskogo. (Dneprodzerzhinsk--Open-hearth process--Equipment and supplies)

USSR / Pharmacology, Toxicology. Analeptics.

hos Jour: Ref Zhur-Biol., No 18, 1958, 85137.

: Rokhlin, N. N. Author

: The Influence of Chinese Lemon on the Function of : Not given. Inst the Auditory and Vestibular Analyzers in Normal Title

and Pathological States.

Oreg Pub: In the collection, Materialy k izuch. zhen'shenya

1 limonnika, No 3, Leningrad, 1958, 181-183.

Abstract: Observations were carried out on 40 subjects with

normal LOR-organs, in whom the cochlear and vestibular functions were within normal limits for the age group, and also on 80 patients suffering with chronic otitis, otosclerosis, and neuritis of the auditory nerve. Lemon seeds (L), ground to powder and placed in capsules, were given to patients in

card 1/2

USSR / Pharmacology, Toxicology. Analeptics.

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85137.

Abstract: doses of 3-4 gm. The functions of the cochlear and vestibular analyzers, and also the hearing of speech by healthy persons, underwent no detectable changes under the influence of L. With pathological changes of the middle ear, there was a slight improvement of tone reception in 25-30 percent of cases. I did not influence the curve of the audiogram in neuritis of the auditory nerves and was only slightly effective in the treatment of deafness. -- V. V. Berezhinskaya.

Card 2/2

32

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GLUBOKOVA, P.D., kand.med.nauk, ROKHLIN, N.N., assistent

Strumitis of the radix linguae. Vest.oto-rin. 20 no.4:100-101

J1-Ag '58

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - doktor med.nauk

V.S. Lyande) Khabarovskogo meditsinskogo instituta.

(TONGUE, dis.

strumitis of radix lingue (Rus))

(GOITER, case reports

(same)
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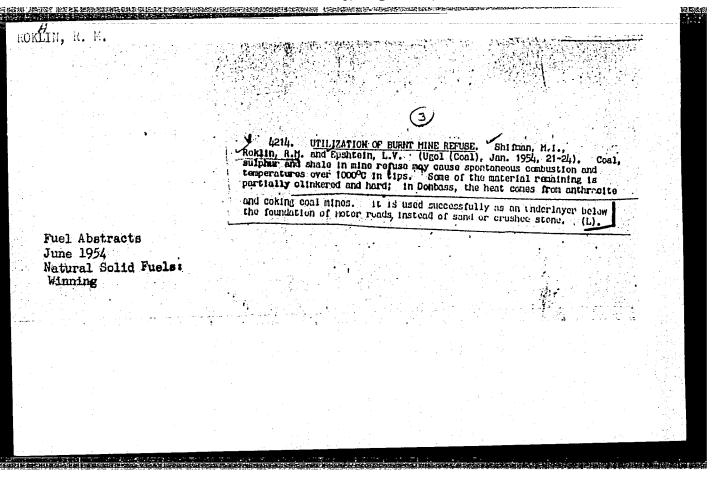
ROKHLIN, P.Sh.

Rapid liming of heavy hides. Leg. prom. 18 no.8:36-38 Ag 158.

(MIRA 11:9)

1.Direktor Rybinskogo kozhervennogo zavoda.

(Tanning)



ROKHLIN, N.N.

Improved design of the curtain in a glass furnace. Stek. i ker.
19 no.1:30-31 Ja '62. (MIRA 15:3)

1. Konstantinovskiy zavod stekloizdeliy. (Glass furnaces)

humanus, F.B., tensent, Mincum Thoma, Yo. ., kantarananak, Robinsk, Mide.

viach; Mintum Va, S...

Professor Volif Lancilovian Liende, 1893 - ; on his 70th firthday.

Vert. Otoria. 25 no.5:105 :10 163. (MERA 17:4)

1. Zavednyushonaya otorinolaringologicheskim otdeleniyem
Ehnbarovskogo menitsinskogo instituta (for derasimova).

RONHLIN, N.N.

Glass-container factories of England. Stek.i ker. 19 no.12:32(MIRA 16:1)

(Great Britain-Glass factories)

ROKHLIN, N.N.

Clinical aspects of otogenous abscesses of the brain. Zhur. ush., nos. i gorl. bol. 20 no.1:70-72 Ja-F 160. (MIRA 14:5)

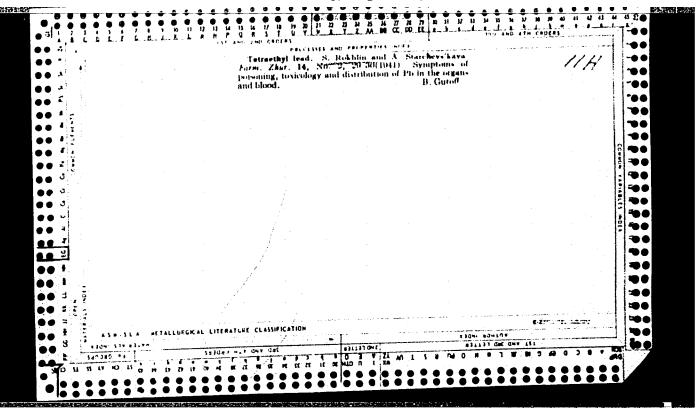
1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. V.S.Lyande) Khabarovskogo meditsinskogo instituta. (BRAIN--ABSCESS)

SHESTAK, N.A.; ROKHLIN, P.N.

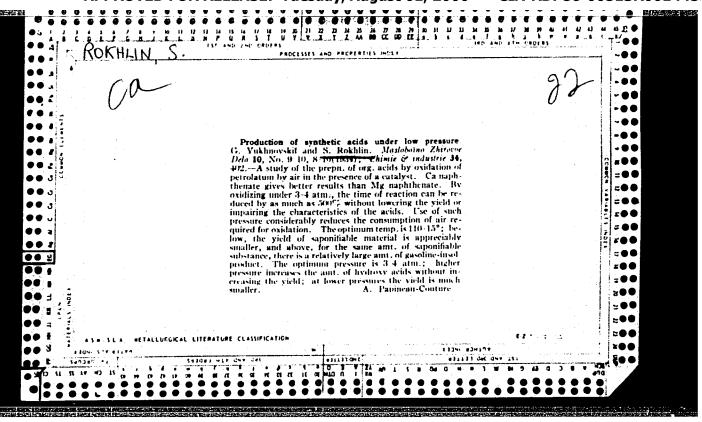
Regenerative glass furnace with crosscurrent alignment of the flame.

Stek. i ker. 19 no.1:12-14 Ja '62. (MIRA 15:3)

(Glass furnaces)



nokmilin, S.,
3. Yukmidolskii, Masloboino Enirovoe Delo 10, No. 9-10,
8-10 (1934)



(Electric power distribution) (Gadzhiev, S.S.)

YERMILOV, A.A., inzh.; ROKHLIN, S.D., inzh.; KAN, K.V., inzh.; KOGAN, G.B., KHAPAYEV, P.V., inzh.

Concerning S.S. Gadzhiev's article "Increasing the number of services connected to one 6 and 10 kv breaker." Energetik 6 no.4:3-7 Ap '58.

THE P

ROKHLIN, S.A.

Mechanized cultivation of hops and side dressing methods. Trudy
VNIIPP no.5: 177-195 '55.

(Hops)

- 1. ROWHLIN, 5. A.
- 2. USSR (600)
- 4. Kok-Saghyz
- 7. Using a tractor to mark off fields for checkrowing kok-saghyz. Dost. sel(khoz. No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 。 第13. 1855年 1968年 17. 1868年 日本中国的政府中国的国际政府的国际政府的国际政府的国际政府的国际政府的政府。

CIA-RDP86-00513R001445

SOV-91-58-4-3/29

AUTHORS

Rokhlin, S.D., Engineer

TITLE

On the Article of S.S. Gadzhiyev "On the Increase of the Number of Consumer Lines Connected with One Common Switch of 6 and 10 kv" (Po povodu statid S.S. Gadzhiyeva "Ob uvelichenii chisla potrebitel'sk_kn liniy, podklyuchayemykh pod odin vyklyuchatel 6 i 10 kv)

PERIODICAL:

Energetik, 1958, Nr 4, pp 5-6 (USSR)

ABSTRACT:

The circuits suggested by Engineer S.S. Gadzniyev present difficulties of utilization as well as structural and economical advantages. The following disadvantages are givens a) difficulties in grouping the equipment of a unit comprise ing two, three or more line disconnectors (units of the "KSO", "KSD" and "KSO-2u" types cannot be utilized for this purpose); b) this system is not sufficiently flexible for switchingover operations. These disadvantages can be eliminated, e.g. the circuit diagram shown in figure 1 is fully or partly free from them because of the utilization of load switches as line desconnectors, which can be remote controlled by means of drives of the "PRA-12" and "PS-10" types. The service efficiency of these circuits depends on the 6 to 10 ky consumer network layout and the automation system being utilized. A great part of 1st category consumers must be connected with

Card 1/2

SOV-91-58-4-3/29

On the Article of S.S. Gadzhiyev "On the Increase of the Number of Consumer Lines Connected with One Common Switch of 6 and 10 ky

the individual units of the distribution network (Figure 2). If the common switch system comprises only lines of consumers having low responsibility, these lines are connected by means of ordinary disconnectors (Figure 3). The author of this article comes to the following conclusions: the circuits suggested by S.S. Gadzhiyev really produce an economical effect and must be utilized in 6 and 10 kv distributing systems; the use of load switches allows the remote control of any outgoing line, which can also be under load, from the control panel.

There are 3 circuit diagrams and 1 Soviet reference.

1. Switching systems—Effectiveness 2. Electrical networks

Card 2/2

ROKHLIN, S.D., inzhener.

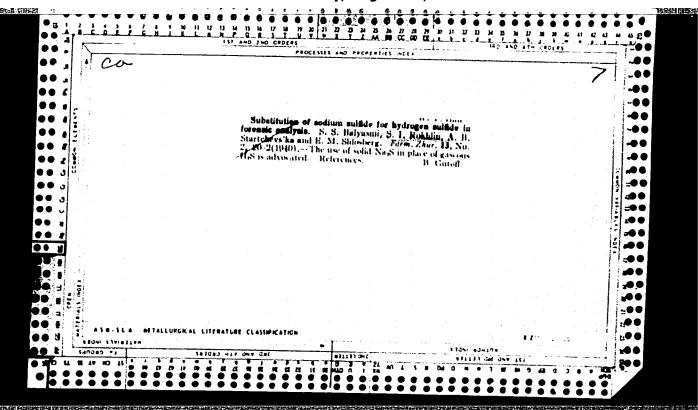
Operation of substations without permanent attendants.
Prom.energ. 12 mg.1:4-5 Ja '57. (MLRA 10:2)

(Electric substations) (Automatic control)

VARRELID, B. I. i ROMBLIM, S. I.

34227. Kimiko-toksikologicheskiye issledovaniya Fo delam ob otravleniyakh.
Kriminalistika i Nauch.-Sudeb. ekspertiza. SE Z. Kiyev, 1949, c.
249-70

SC: Knizhnaya Letopis' No 6, 1955



Method of estimating and calculating the indices of ore dressing plant operations. Tsvet. met. 34 no.12:4-5 D '61. (MIRA 14:12)

(Ore dressing)

SOV/137-57-11-21874

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 4 (USSR)

AUTHOR:

Rokhlin, S. L.

TITLE:

Multi-stage Flotation of Finely Disseminated Oxidized Lead Sulfide Ores of the Mirgalimsay Deposit (Mnogostadial' naya flotatsiya tonkovkraplennykh sul'fidnookislennykh svintsovykh rud mirgalimsayskogo mestorozhdeniya)

PERIODICAL: Tr. N.-i. i proyektn. in-ta "Uralmekhanobr", 1957, Nr 1, pp 52-70

ABSTRACT:

An investigation is made of methods of increasing Pb extraction from the ores of Mirgalimsay which yield to flotation with difficulty. A study is made of the influences of fineness of grinding, the effects of various xanthates and of diethyldithiophosphate, the presence of concretions in various classes, and the dependence on aeration of the stability of the sulfide film created on the surface of Na2S minerals oxidized by Pb. A multi-stage flotation flowsheet, with the maximum coarseness being that of the first-stage slime, followed by successive grinding of the flotation tailings until 85-90% is in the 43 μ undersize, and an intensification of the flotation process and stage-wise introduction of reactants is recommended. This made possible a 15-17% rise in Pb

Card 1/2

SOV/137-58-11-21874

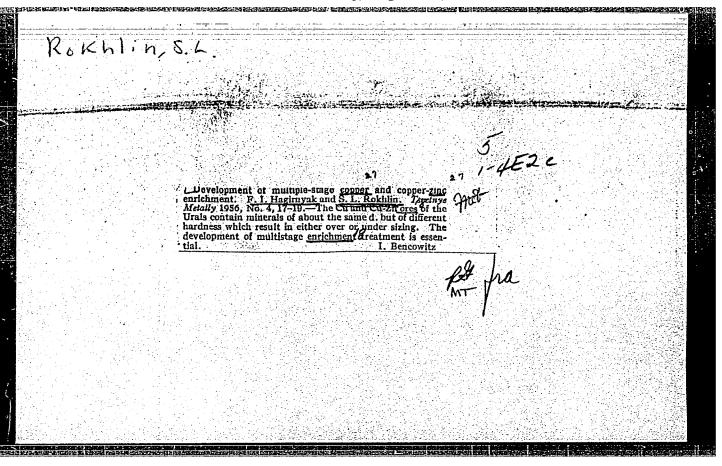
Multi-stage Flotation of Finely Disseminated Oxidized Lead Sulfide Ores (cont.)

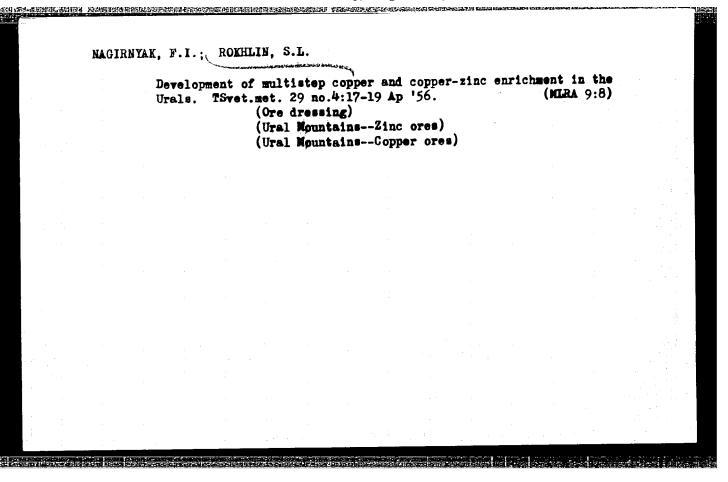
recovery, or in other words raised Pb recovery to 91.6% when the ore content of the Pb is 1.9%. Further improvement in the process is possible upon conversion to a 3-stage system and introduction of the new Mekhanobr flotation machines.

Card 2/2

(ROKHLIN, S.L.: PICHENYUK, Ya.D.

Influence of the rate of agitation and aeration of the pulp on recovery of oxidized lead mineral during flotation. TSvet.met.29 no.12:20-26 D '56. (MLRA 10:2)



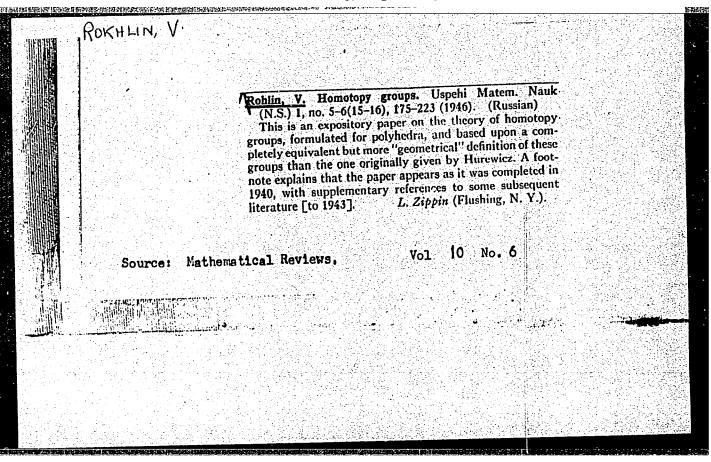


	1, no. 1(11), the class of (almost) all have pure pelements of in Σ , and if, $G(T)$ is the $G_c = G(T_c)$ of T . Call function moved and sufficient some T is note is deverthe spectral some T in author mean of class Σ of them it continued to the spectral some T in author means T in author means T in author means T in T and T in T author means T in T and T in T author means T in T and T in T author means T in T and T in T author means T in T and T in T in T and T in T	71–191 (19 all automo their irred oint spectru the canoni for any irre group of pruniquely da not more asurable if surable brant condition that it be a bed to a rabed to a rabed to a rate contains and tains the F	46); these Revirphisms T will wishe (metric m. If C is the call decomposite ducible T with oper values of them countait may be denches; in this that a given incasurable. Ther complication of his the spectrum absolutely could include the control of the spectrum absolutely could include the coupling of the spectrum absolutely coupling of the spectrum absolutely coupling of the coupli	lmos (Chicago, III.).	
Source: Mathematical Reviews,	Vol	100.	7	Smy	4

ROKHLIN, V., elektromonter

Universal screwdriver. Na stroi. Mosk. 1 no.11:25 N '58.

(Screwdrivers)



ROKHLIN, V., elektromonter

Automatic cutout switches for electric welding machines. Na stroi. Mosk. 1 no.11:25 N 58. (MIRA 11:12)

1. Stroitel nyy uchastok-52 tresta Mosstroy No. 13.
(Electric welding--Equipment and supplies)
(Electric cutouts)

	Rohlin, V. A "general" measure-preserving transforma-	0
	tion is not mixing. Doklady Akad. Nauk SSSR (N.S.) 60, 349-351 (1948). (Russian)	
	If X is the unit interval and μ is Lebesgue measure, then a one-to-one, measure-preserving transformation of X onto	
	itself is called mixing if $\lim_{n} \mu(T^{n}A \cap B) = \mu(A)\mu(B)$ for	
	every pair (A, B) of measurable subsets of X; T is called weakly-mixing if	
	$\lim_{n} n^{-1} \sum_{i=1}^{n} \mu(T^{i}A \cap B) - \mu(A)\mu(B) = 0.$	
	Let M be the set of all mixing transformations and let M*	
	be the set of all weakly mixing transformations; clearly $M \subset M^*$. The reviewer has shown [cf. Ann. of Math. (2) 45,	
	786-792 (1944); these Rev. 6, 131] that, with respect to a certain natural topology of the set of all measure preserving	
	transformations, the larger class M* is very large (i.e., is	
	an everywhere dense G_i); the author's principal result in this paper is that the smaller class M is very small (i.e., is of the	
	first category). P. R. Halmos (Chicago, Ill.),	
Source: Mathema	etical Reviews, Vol 9 No.9	
Doubles 140 of the		
	는 마이트 전 사람들이 되었다. 이 경기를 보고 있는 이 경기를 보고 있다. 그 전에 되었다. 그 경기를 보고 있다. 	
	보는 그 보다는 그 물론 이번 등로 생각하는 경우를 보냈다. 	

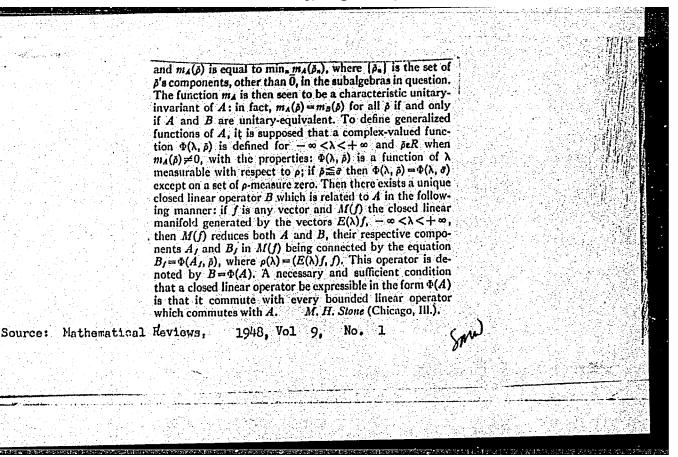
ROKHLIN, V.A.

operators, (II. Uspehi Matem. Nauk (N.S.) 1(11), no. 1, 71-191 (1946). (Russian)

[Part I, by Plesner alone, appeared in the same journal 9, 3-125 (1941); these Rev. 3, 210.] Part II comprises §§ 14-29, as follows: 14. Operator-valued measure. 15. Integrability with respect to spectral measure. 16. Functions of Hermitian operators, 17. Closed operators permutable with Hermitian operators. 18. Functions of permutable Hermitian operators. 19. Spectral analysis of unitary operators. 20. Closed operators. 21. Spectral analysis of normal operators. 22. Hellinger types. 23. Cyclic operators. 24. Orthogonal sums of Hermitian operators with pairwise independent maximal types. 25. Operators with simple spectra. 26. Multiple spectra. 27. The unitary invariants of Hermitian operators. 28. Generalized functions of a Hermitian operator. 29. The characterization of the functions of a Hermitian operator. There is an appendix which treats the Lebesque-Stielties integral (This is a polished presentation of more or less standard material, so arranged as to include the case of nonseparable complex Euclidean spaces.

The discussion of unitary invariants in §§ 22-28, while basically the same as the known treatments (beginning with the original ones of Hellinger and Hahn), applies to the TOV. RILOT Source: Mathematical Reviews.

Plesner, A. I., and Rohlin, V. A. Spectral theory of linear nonseparable case and is made particularly clear by systematic use of lattice-theoretic concepts. The family of finite mass-distributions on the infinite line, $-\infty < \lambda < \infty$, (or, what is the same thing, the family of the corresponding cumulative distribution functions p) falls into equivalence classes p if two distributions are regarded as equivalent whenever each has a density-function with respect to the other, The collection R of all such classes (called Hellinger types) is partially ordered by putting \$\sigma \sigma \text{whenever } \rho \text{has} a density function with respect to o; and, indeed, R is found to be a countably-additive generalized Boolean algebra in which the relations $\bar{\rho}_{\alpha} \neq \bar{0}$, $\bar{\rho}_{\alpha} \cap \bar{\rho}_{\beta} = \bar{0}$ for $\alpha \neq \beta$, $\bar{\rho}_{\alpha} \leq \bar{\rho}$ imply that the totality of elements ρ_a is countable. Now, if A is a Hermitian (i.e., self-adjoint) operator in a fixed complex Euclidean space and $E(\lambda)$ is its resolution of the identity, a single vector or, more generally, a set of vectors [fa] is said to be of type $\rho\neq 0$ (with respect to A) when $(E(\lambda)f_a, E(\lambda)f_b) = \delta_{\alpha\beta}\rho(\lambda)$ for all α , β , λ . The maximal systems of type o all have the same cardinal number, called the multiplicity of ρ , which is a function $m_A(\bar{\rho})$ of the Hellinger type $\bar{\rho}$ alone. By virtue of the fact that $\hat{\rho}_{\alpha} \neq \bar{0}$, $\hat{\rho}_{\alpha} \cap \hat{\rho}_{\alpha} = \bar{0}$ imply $m_A(\sum_{n=1}^{\infty} \beta_n) = \min_n m_A(\beta_n)$, it follows that the function m_A has a very simple structure: the algebra R is the direct sum of subalgebras on each of which ma is constant;



ROKHLIN, V. A. Cand. Physicomath. Sci.

Dissertation: "Principles of the Theory of Transformation with Invariant Measure." Sci. Res. Inst. of Mathematics, Moscow Order of Lenin State U. imeni M. V. Lomonosov. 17 Dec. 1947

SO: Vechernwaya Moskva, Dec. 1947. (Project #17836)

F. ROKHLIN, V.A

Rolflin, V. On the classification of measurable decompositions. Doklady Akad. Nauk SSSR (N.S.) 58, 29-32 (1947). (Russian)

Rollin, V. On the problem of the classification of automorphisms of Lebesgue spaces. Doklady Akad. Nauk SSSR (N.S.) 58, 189-191 (1947). (Russian)

The author considers complete measure spaces M with measures μ such that $\mu(M)=1$. If an object (e.g., a set, a function or a decomposition) is associated with each of two families of measure spaces, then the objects P and Q are "isomorphic" if there is a one-to-one, measurability and measure preserving transformation between corresponding spaces in the two families which (modulo sets of measure zero) carries P into Q. The "isomorphism type" of an object P, denoted by $\tau(P)$, is the class of all objects isomorphic to P.

A measure space M is a "Lebesgue space" if it contains a sequence $S = \{D_n\}$ of measurable sets such that (a) the completion of the Borel field generated by S is the class of all measurable sets, (b) every two distinct points of M may be separated by sets of S, and (c) if, for each $n=1, 2, \cdots$, $E_n=D_n$ or else $E_n=M-D_n$, then $\bigcap_n E_n \neq 0$. If the (at most countably many) points of positive measure in a measure space M are arranged in a sequence so that their measures are nonincreasing, the measure of the nth such point is denoted by $m_n(M)$. A decomposition ζ of a Lebesgue space

is "measurable" if there exists a countable class of f-sets (i.e., sets which are unions of sets of the decomposition) by means of which any two sets of the decomposition may be separated.

The "factor space" M/t of a Lebesgue space by a measurable decomposition may be made into a (Lebesgue) measure space in a natural way, and a measure μ_C may be defined on each set C of the decomposition so that the measure of every measurable subset of M is obtained by integration (over M/t) of the μ_C -measure of its intersection with C. If U is an automorphism of a Lebesgue space M (i.e., an isomorphism of M with itself), then there is a decomposition t_U of M into invariant sets C such that, for each C, the induced automorphism U_C is ergodic. [In connection with these last two results see Halmos, Duke Math. J. 8, 386–392 (1941); these Rev. 3, 50.]

In terms of the concepts defined above, the author's main results may be stated as follows. (1) The isomorphism type of the sequence $\{m_n(C)\}$ of functions on M/ξ constitutes a complete set of isomorphism invariants of the decomposition ξ . (2) The function $\Phi(C) = \tau(U_O)$ from M/ξ_D to the class of all (ergodic) isomorphism types constitutes a complete set of isomorphism invariants of the automorphism U. The author's presentation of both definitions and theorems is very condensed and somewhat unclear; there are no proofs. P. R. Halmos (Princeton, N. J.).

Source: Mathematical Reviews, 1948, Vol 9, No. 5

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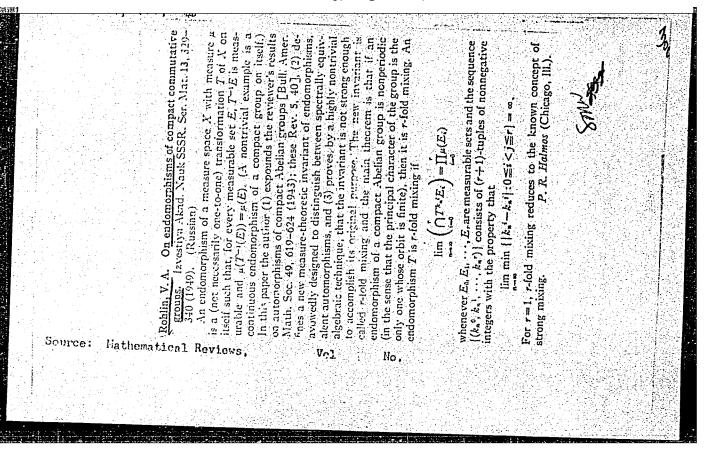
WES /Sathematics - Antonorphs

"Problem of Classifying Automorphisms of Lebeg's Dimensions," V. Rokhlin, 5 pp

"Dok Akad Hauk SSSR, Hova Ser" Vol LVIII, Ho 2

1947

Anthor makes use of terminology, calculations and results he used in work published in "Dok Akad Hauk SSSR, Hova Ser" Vol LVIII, Ho 1, 1947. Explains statement: the automorphism U and Lebeg's dimension N is isomorphism of M on N itself. Submitted by Academician A. N. Kolmogorov, 12 Apr 1947.



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	Roblin, V. A. On the	ne fundamental ideas nik N.S. 25(67), 107-	of measure -150 (1949).	も
	(Russian) Proofs of the author's ure spaces [announced i 58, 29-32 (1947); these	s results on decomposit in Doklady Akad. Nauk Rev. 9, 230]. P		
			Smyppe	
Source: Mathemati	ical Reviews,	Vol No.		

ROKHLIN, V. A.

PA 153T71

USSR/Mathematics - Theory of Measure Sep/Oct 49

"Expansion of a Dynamic System Into Transitive Components," V. A. Rokhlin, Moscow, 15 pp

"Matemat Sbor" Vol XXV(67), No 2

History. Families of automorphisms and their types; measurable families; measurable isomorphism. Determination of type of automorphism according to its type of transitive components; canonical expansion; separation of periodic components and formulation of basic theorem; four lemmata; proof of basic theorem; conclusion. Submitted 15 Jul 47.

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Doc Physicomath Sci

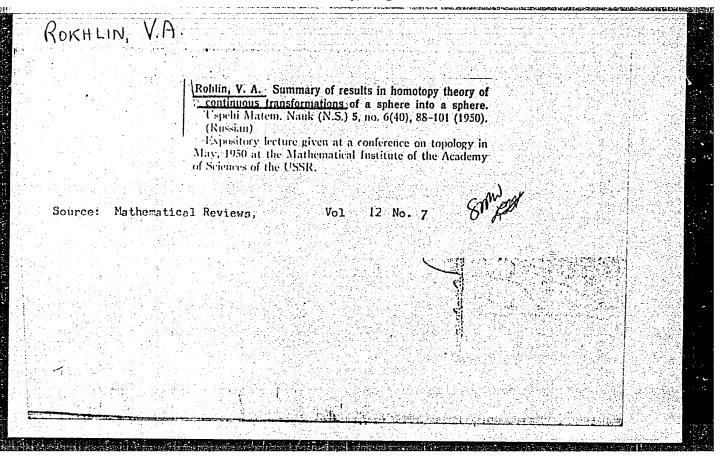
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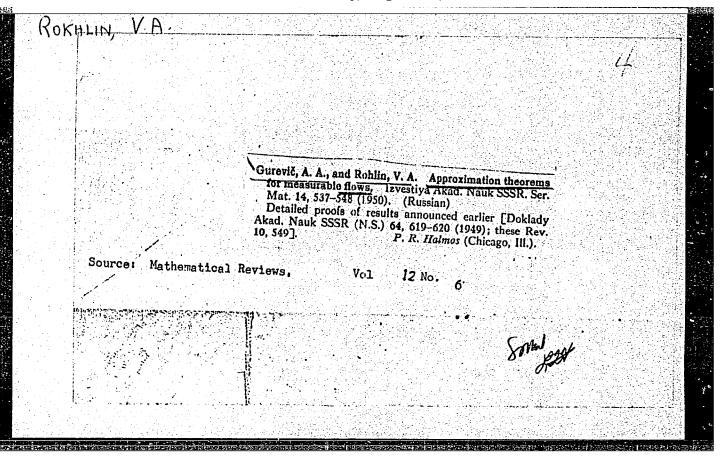
Dissertation: "Concerning the Most Significant Metric Classes of Dynamic Systems." 29/6/50

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ROKHLIN, V. A.

"Survey of Results of Honotopical Theory of Reflections of S Spheres into S Phere," Usp. Mat. Nauk Vol. 6 No. 4 (44), pp 193-220, 1951.

U-1635, 16 Jan 52

